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United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources

2557362



January 1, 1984

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

**and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS**

Issued by

**PETER C. MYERS
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.**

|||||

Released by

**FRANCIS T. HOLT
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH**

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES	
DEE C. HANSEN	DANIEL F. LAWRENCE
State Engineer	Director
Division of Water Rights	Division of Water Resources

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Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

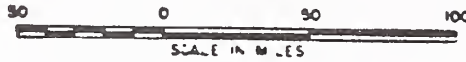
**Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147**

PROSPECTIVE WATER SUPPLIES

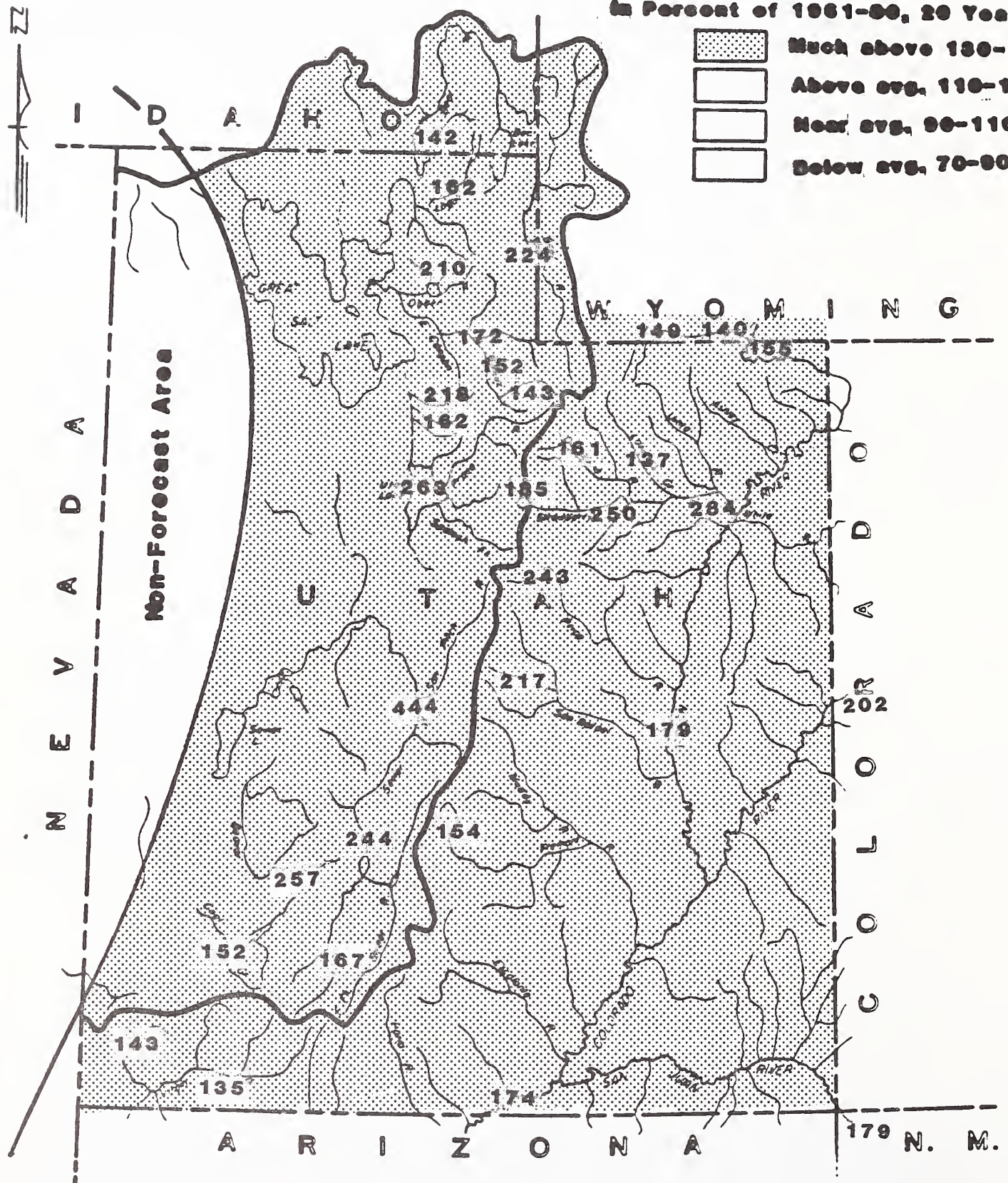
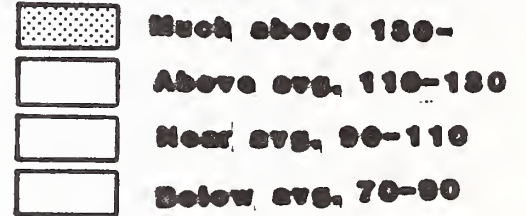
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

January 1, 1984

Approximate Date



FORECAST STREAM FLOW
in Percent of 1961-90, 29 Year Avg



As of January 1, 1984

* * * * *
* Utah's 1984 Water Supply Outlook ranges from above *
* average to well above average. Snow cover ranges from *
* near average in South Eastern Utah to about 3 1/2 times *
* average on the Ogden River in Northern Utah. Watershed *
* soils are wetter than last year and reservoir storage *
* is 94% of capacity. Streamflow forecasts range from *
* about 130% of average to 577% of the April-July average.*
* * * * *

SNOW COVER

Snow measurements taken the last week of December and the first few days of January show a very heavy snow pack in Northern and Central Utah. Snow cover ranges from 84% of average in the Enterprise-New Harmony area of South Western Utah to 344% of the January 1 average on the Ogden River.

Most snow courses in Northern and Central Utah have set new January 1 records. Basin by basin snow cover is as follows: Bear 262%, Logan, 239%, Weber 222%, Utah Lake 246%, Strawberry 242%, Duchesne 218%, Price 230%, San Rafael 320%, Muddy 245%, Fremont 281%, Escalante 162%, Lower Sevier 257%, Upper Sevier 186%, Beaver 286%, Virgin 149%, Coal Creek 137% and LaSal Mountains 118% of the January 1 average 1961-1980 period.

PRECIPITATION

Precipitation at mountain locations has ranged from about 130% of average in South Western Utah to better than three times average in Central Utah. Most other areas were 150 to 250% of the October-December average.

SOIL MOISTURE

Watershed soils are wetter than average and even wetter than last year in the northern two-thirds of the state.

RESERVOIR STORAGE

Reservoir storage is 151% of the January 1 average and 94% of useable capacity. Most reservoirs had extremely good carry over storage and are now releasing water to make space for spring runoff.

(More)

STREAMFLOW FORECASTS

Streamflow forecasts for the April-July period range from 129% of average on Ashley Creek to 577% for the Sigurd to Gunnison Inflow on the Lower Sevier. Ranges of forecasts by basins are as follows:

Bear River, 142% on Cub River to 325% on Bug Creek; Weber-Ogden Rivers, 143% at Oakley to 244% for Lost Creek; Provo-Jordan Tooele Valley, 154% for South Willow Creek to 260% for Hobble Creek; Duchesne Basin, 129% for Ashley Creek to 284% for Duchesne at Myton; South Eastern Utah, 129% for Mill Creek to 252% for Price at Heiner; Sevier-Beaver Basin, 167% for Sevier at Hatch to 577% for Sigurd to Gunnison Inflow; and Virgin River-Coal Creek-Lake Powell, 135 for Virgin near Hurricane to 174% for Lake Powell Inflow.

Again this season, the potential for flooding and mud slides is very high over most of the state. Precipitation amounts during the remainder of the winter and spring and temperatures during the snow melt season will determine how high and when the flow will begin.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	1135.0	1176.8	973.3
	Woodruff Narrows	55.8	47.8	34.2	--
	Woodruff Creek	4.0	4.0	--	--
<u>Beaver River</u>	Minersville (RkyFd)	26.0	23.8	19.5	9.3
<u>Little Bear</u>	Hyrum	15.3	10.4	10.2	10.0
	Porcupine	11.3	2.9	3.9	2.8 ^b
<u>Ogden</u>	Causey	6.9	1.1	2.8	2.1 ^b
	Pineview	110.1	59.7	89.6	50.0 ^b
<u>Provo</u>	Deer Creek	149.7	133.6	113.1	93.5
<u>Settlement Creek</u>	Settlement Creek	1.2	0.8	1.0	0.6 ^b
	Vernon Creek	0.6	0.6	0.5	0.4 ^b
<u>Sevier River</u>	Gunnison	18.2	15.0	17.0	9.5 ^b
	Otter Creek	52.5	50.3	47.2	23.8
	Piute	71.8	69.2	59.1	29.3
	Sevier Bridge	236.0	229.0	211.1	87.0
	Panguitch Lake	22.3	--	--	--
<u>Spanish Fork</u>	Strawberry	270.0	271.7	244.6	136.7
<u>Utah Lake</u>	Utah Lake	883.9	1232.5	1045.8	601.6
<u>Weber</u>	East Canyon	48.1	31.4	41.0	33.3 ^b
	Echo	73.9	37.8	45.8	41.4
	Lost Creek	20.0	10.4	15.6	12.7 ^b
	Rockport	60.9	52.4	57.1	34.1
	Willard Bay	193.3	146.7	122.6	133.2 ^b
COLORADO R. BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	22.5	31.8	18.2 ^b
	Red Fleet	26.0	19.0	--	--
<u>Colorado</u>	Blue Mesa	829.5	598.0	608.6	--
	Lake Powell	25002.0	22700.0	22545.0	--
<u>Green</u>	Flaming Gorge	3749.0	3450.0	3309.0	--
<u>Lakefork</u>	Moon Lake	35.8	27.1	28.9	13.6
<u>Price River</u>	Scotfield	65.8	46.2	54.0	30.3
<u>San Juan</u>	Navajo	1696.0	1547.0	1474.0	--
	Ken's Lake	2.3	1.9	0.7	--
<u>San Rafael</u>	Huntington North	3.9	2.8	4.0	2.0 ^b
	Joe's Valley	54.6	40.9	54.1	42.7 ^b
	Mill Site	16.7	11.2	12.0	3.0 ^b
<u>Strawberry</u>	Starvation	165.3	118.0	156.3	105.2 ^b
<u>Uintah</u>	Soldier Creek	951.4	82.0	--	--
	Bottle Hollow	11.3	11.3	--	10.1 ^b

b Average of past record in average period - less than 20 years
 + 1961-80 20 year average period

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 198% of the January average on the Upper Bear River to 284% on the Lower Bear. Logan River snow cover is 238% of average. This years snow water content is about twice last year on January 1st, and has set a new record, January 1st, on water content for most snow courses.

PRECIPITATION at mountain locations since October 1st ranged from 188 to 238% of the 20 year average (1961-80).

SOIL MOISTURE is well above average and wetter than last year and is expected to soak up very little snow melt this spring.

RESERVOIR STORAGE is above average in Bear Lake and Woodruff Narrows and near average in Porcupine and Hyrum Reservoirs.

STREAMFLOW FORECASTS range from 142% of average on Cub River to 325% for the Big Creek near Randolph. The Bear near Utah-Wyo. line is forecast 169%, near Woodruff 224% and at Harer 178%. Thomas Fork is forecast 177% and Smith's Fork 170%. Logan River is forecast 162%, Blacksmith Fork 204% and Little Bear 189% of average. Most forecasts are for flows a little higher than last year. Peak flow forecasts will begin February 1st.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	186	169	Apr-July	164	110
Bear nr Woodruff 1/	312	224	Apr-July	275	139
Woodruff Crk nr Woodruff, UT	30	173	Apr-July	30	17.3 ^b
Big Creek nr Randolph, UT	17.2	325	Apr-July	--	5.3 ^b
Bear nr Randolph 1/	262	238	Apr-July	294	110
Thomas Fork nr ID-WY State Ln	62	177	Apr-Sept	--	35
Smith's Fork nr Border, WY	203	170	Apr-Sept	--	119
Bear at Harer, Idaho 1/	553	178	Apr-Sept	--	310
Logan nr Logan 1/	188	162	Apr-July	167	116
Blacksmith Fork nr Hyrum	104	204	Apr-July	87	51
Little Bear nr Paradise	72	189	Apr-June	80	38
Cub River nr Preston, ID	74	142	Apr-Sept	--	52

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUBWATERSHED	Number of Gauges Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
BEAR RIVER	19	218	262
UPPER BEAR RIVER	6	200	198
LOWER BEAR RIVER	13	223	284
LOGAN RIVER	7	196	238

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U. S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 a - Partly estimated
 b - Average of all past record - less than 20 years
 e - Maximum mean daily peak flow
 ‡ - 1961-80 20 year Average Period
 * - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	1135.0	1176.8	973.3
	Woodruff Narrows	55.8	47.8	34.2	--
	Woodruff Creek	4.0	4.0	--	--
LITTLE BEAR	Hyrum	15.3	10.4	10.2	10.0
	Porcupine	11.3	2.9	3.9	2.8 ^b

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Bear nr. Ut.-Wyo. Stateline	Begins Feb. 1st	1506
Woodruff Creek nr Woodruff		253 ^b
Big Creek nr Randolph		48 ^b
Logan River nr Logan		980
Little Bear nr Paradise		519

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Burts-Miller Ranch	1/6	19	4.4	1.7	2.3 ^b
Cub River R.S.	12/29	43	11.2	5.0	3.5 ^a
Emigrant Summit	1/1	--	21.1 ^a	13.5	9.6 ^a
Franklin Basin	12/29	66	20.7	10.7	7.5 ^b
Hayden Fork	1/6	42	12.5	5.0	5.6 ^b
Klondike Narrows	12/29	59	17.0	8.2	7.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Little Bear Lower	1/3	40	12.7	6.2	3.6 ^b
Little Bear Upper	1/3	49	15.5	7.0	4.2 ^b
Monte Cristo	12/30	69	21.9	11.0	9.7 ^b
Salt River Summit	12/29	42	9.8	6.4	6.3
Stillwater Camp	1/6	31	8.3	3.5	4.0 ^b
Tony Grove R.S.	12/29	54	15.3	5.7	4.6

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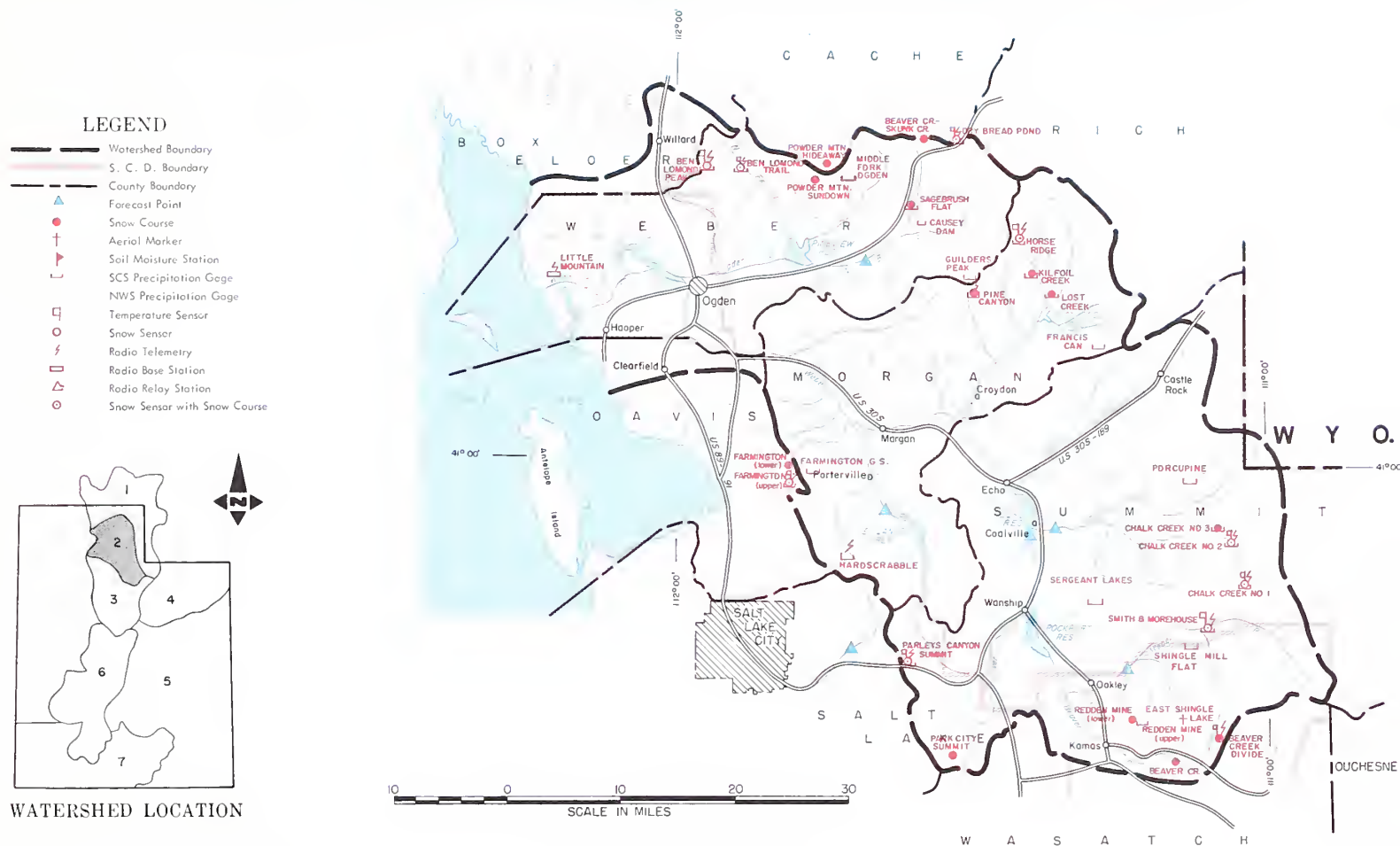
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1984

THE 1984 WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 222% of the January 1, 20 year average (1961-1980) on Weber River to 344% on the Ogden Basin. Almost all snow courses in this area have set new January 1 records. Several snow courses on the Ogden have already exceeded their average peak accumulation on April 1.

PRECIPITATION at mountain stations ranged from 170% of the October-December average at Smith and Morehouse on the Upper Weber to 209% at Chalk Creek #3 and 208% at Ben Lomond Trail.

SOIL MOISTURE is well above average and wetter than last year at this time at mountain stations.

RESERVOIR STORAGE as of January 1 was generally above average but all reservoirs are beginning to release water to make room for spring runoff.

STREAMFLOW FORECASTS range from 143% of the April-June period for the Weber near Oakley to 244% for Lost Creek. Ogden River is forecast 198% for the South Fork and 210% for Pineview Inflow. Weber River is forecast 152% for Rockport Inflow, 155% near Coalville, 172% for Echo Inflow and 190% at Gateway. Chalk Creek is forecast 206%, East Canyon 240%, Hardscrabble 185% and Farmington Creek 198% of average. All forecasts are near or slightly above flows of last year. Peak flow forecasts will be issued February 1.

WEBER-OGDEN WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acre Feet	Percent of Average		Thousand Acre Feet	
WEBER-OGDEN RIVERS					
Weber nr Oakley	146	143	Apr-June	144	102
Rockport Reservoir Inflow 1/	169	152	Apr-June	164	111
Chalk Creek at Coalville	74	206	Apr-June	67	36
Weber nr Coalville 1/	184	155	Apr-June	187	119
Lost Creek nr Croydon, UT 1/	38	244	Apr-June	37	15.6 ^a
East Canyon Creek nr Morgan 1/	60	240	Apr-June	53	25
Hardscrabble Crk nr Porterville	34	185	Apr-June	--	18.4 ^a
S. Fork Ogden nr Huntsville 1/	113	198	Apr-June	96	57 ^a
Pineview Reservoir Inflow 17	241	210	Apr-June	207	115 ^a
Echo Reservoir Inflow 2/	250	172	Apr-June	227	145
Weber at Gateway 1/	570	190	Apr-June	574	300
JORDAN RIVER & SALT LAKE					
Farmington Crk nr Farmington	16.2	198	Apr-July	--	8.2 ^b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
OGDEN RIVER	5	208	344
WEBER RIVER	13	206	222

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U. S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 a - Partly estimated
 b - Average of all past record - less than 20 years
 e - Maximum mean daily peak flow
 + - 1961-80 20 year Average Period
 * - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
OGDEN	Causey	6.9	1.1	2.8	2.1 ^b
	Pineview	110.1	59.7	89.6	50.0 ^b
WEBER	East Canyon	48.1	31.4	41.0	33.3 ^b
	Echo	73.9	37.8	45.8	41.4
	Lost Creek	20.0	10.4	15.6	12.7 ^b
	Rockport	60.9	52.4	57.1	34.1
	Willard Bay	193.3	146.7	122.6	133.2 ^b

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
South Fork Ogden nr Huntsville	Begins Feb. 1st	763
Chalk Creek nr Coalville		510
Weber nr Oakley		1540

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Beaver Creek R.S.	1/4	30	8.2	3.9	3.7
Beaver Creek-Skunk Creek	12/30	45	13.5	6.5	4.8 ^b
Ben Lomond Peak	1/3	118	42.2	21.8	12.6 ^b
Ben Lomond Trail	1/3	80	25.8	12.2	5.5 ^b
Chalk Creek #1	1/6	54	16.9	11.0	8.8 ^b
Chalk Creek #2	1/6	38	11.5	7.0	6.1 ^b
Chalk Creek #3	1/6	25	6.5	3.6	3.5 ^b
Dry Bread Pond	12/30	59	18.5	9.1	6.8 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Horse Ridge	1/10	62	21.4	9.7	7.6 ^b
Lost Creek Reservoir	12/30	33	8.0	2.6	1.9 ^b
Monte Cristo	12/30	69	21.9	11.0	9.7 ^b
Parleys Canyon Summit	12/29	70	18.0	8.7	7.7
Sagebrush Flat	12/30	38	9.6	3.1	2.2 ^b
Smith & Morehouse	1/6	39	11.6	7.0	5.3 ^b
Trial Lake	1/6	61	19.2	10.8	10.7

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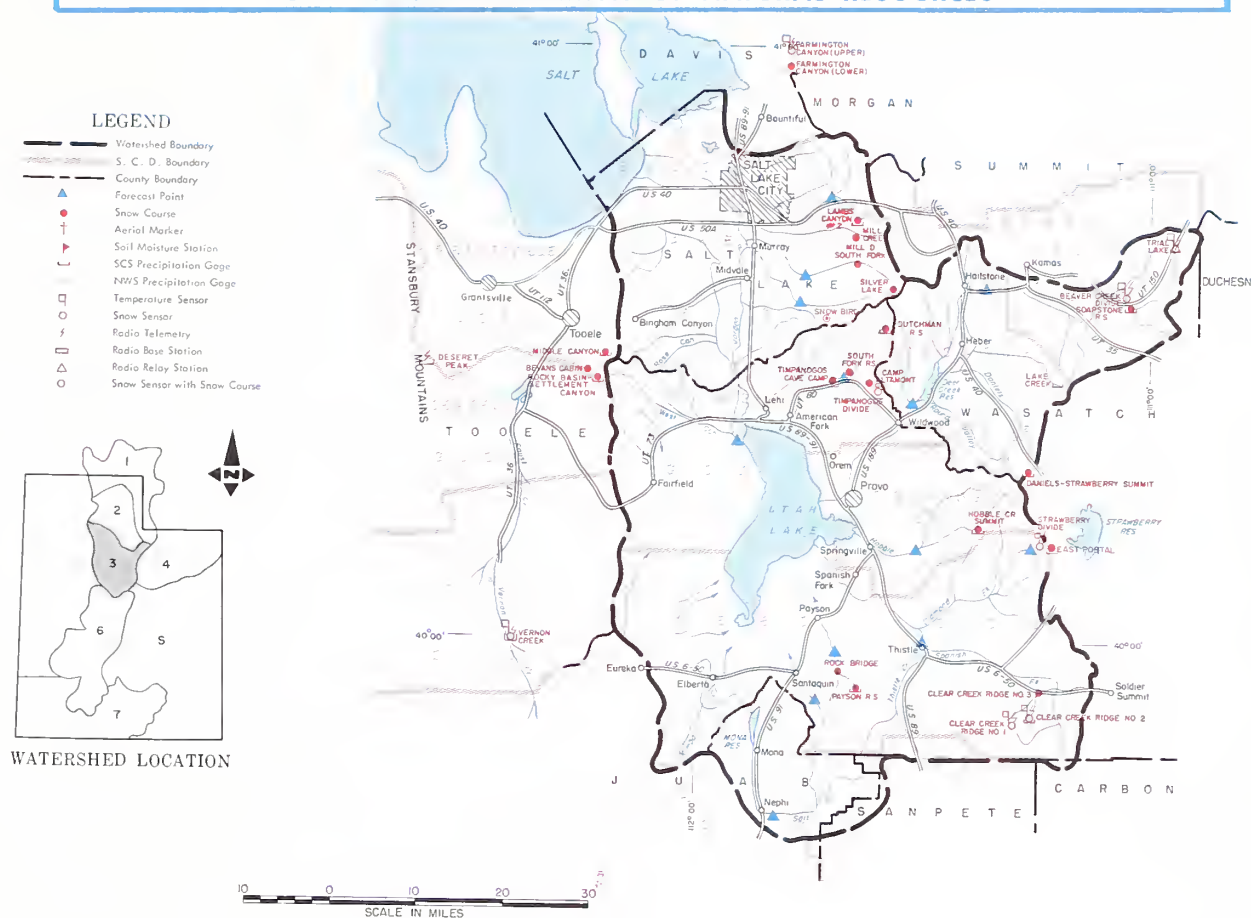
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1984

THE 1984 WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 187% of the January 1 average (1961-1980) on the Jordan River and Salt Lake drainages to 246% on the Provo-Utah Lake drainage. All snow courses except on the head of the Provo and American Fork Rivers have set new January 1 records.

PRECIPITATION at mountain stations ranged from 157% of the October-December average at Lambs Canyon #2 to 200% at Rocky Basin above Tooele.

SOIL MOISTURE is well above average and wetter than last year at this time.

RESERVOIR STORAGE is above average with Utah Lake 3.36 feet above compromise and releasing as much as possible to draw down prior to spring runoff.

STREAMFLOW FORECASTS for the April-July period range from 158% of average on Little Cottonwood Creek to 263% for Utah Lake Inflow. The Provo is forecast 189% at Hailstone and 250% below Deer Creek Dam. Payson Creek is forecast 210%, Spanish Fork 250%, Hobbie Creek 260% and American Fork 194% of the April-July average. Big Cottonwood is forecast 162%, Mill Creek 203%, Parleys Creek 218%, Emigration Creek 243% and City Creek 179% of average. Streams in Tooele Valley are forecast 154% on South Willow, 187% on Settlement Creek and 217% on Vernon Creek.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST Thousand Acres Feet	Percent of Average	FORECAST PERIOD	THOUSAND ACRE FEET	
				Last Year	Average †
PROVO RIVER AND UTAH LAKE					
Provo nr Hailstone 1/	200	189	Apr-July	160	106
Provo below Deer Creek Dam 1/	300	250	Apr-July	--	118
American Fork nr American Fk.	60	194	Apr-July	--	31
Hobble Creek nr Springville	45	260	Apr-July	--	18.7 ^b
Strawberry Reservoir Inflow 1/	98	185	Apr-July	147	53
Spanish Fork at Thistle	100	250	Apr-July	--	40
Payson Creek nr Payson	13.0	210	Apr-July	--	6.2
Utah Lake Inflow	625	263	Apr-July	--	238
JORDON RIVER & SALT LAKE					
Little Cottonwood Crk nr SLC	60	158	Apr-July	63	38
Big Cottonwood nr SLC	60	162	Apr-July	61	37
Parley's Creek nr SLC	32	218	Apr-July	42	14.8
Mill Creek nr SLC	12.0	203	Apr-July	13.6	5.8
Emigration Creek nr SLC	9.0	243	Apr-July	13.9	3.7
City Creek nr SLC	14.0	179	Apr-July	21.6	7.7
TOOELE VALLEY					
Settlement Crk nr Tooele	4.3	187	Apr-July	--	2.3 ^b
S. Willow Crk nr Grantsville	4.6	154	Apr-July	4.3	3.0 ^b
Vernon Creek nr Vernon	2.6	217	Jan-June	5.7 ^a	1.2

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	9	211	246
JORDON RIVER & SALT LAKE	6	122	187

1 - Observed flow corrected for change in storage and diversions
3 - Provisional flows - subject to correction
a - Partly estimated
b - Average of past record - less than 20 years
+ - 1961-80 20 year average period
e - Maximum mean daily peak flow
* - Forecast in cooperation with National Weather Service

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SPANISH FORK	Strawberry	270.0	271.7	244.6	136.7
UTAH LAKE	Utah Lake	883.9	1232.5	1045.8	601.6
	Settlement Creek	1.2	0.8	1.0	0.6 ^b
	Vernon Creek	0.6	0.6	0.5	0.4 ^b
PROVO	Deer Creek	149.7	133.6	113.1	93.5

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Cottonwood nr Salt Lake City	Begins Feb. 1st	442
Little Cottonwood nr Salt Lake City		384
Provo Near Hailstone		2128
Spanish Fork nr Thistle		451 ^b
American Fork nr American Fork		366
Mill Creek nr Salt Lake City		59
Parley's Creek nr Salt Lake City		153
City Creek nr Salt Lake City		75

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Bevans Cabin		Not	Scheduled	--	--
Camp Altamont	--	--	--	12.9	6.5
Clear Creek #1	1/5	52	16.9	8.5	7.7 ^b
Clear Creek #2	1/5	41	12.2	6.8	6.2 ^b
Clear Creek #3	1/5	31	8.3	4.1	3.5 ^b
Daniels-Strawberry Summit	1/6	42	13.5	9.8	5.7
Deseret Peak		Not	Scheduled	--	--
Dutchman R.S.	--	--	--	13.7	7.8 ^b
Hobble Creek Summit	1/6	52	16.5	8.1	5.9 ^b
Lambs Canyon #2	12/29	61	16.6	8.9	7.4 ^b
Middle Canyon	1/1	50	11.2 ^a	9.5 ^a	5.9
Mill Creek	12/30	60	16.4	9.4	7.4 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME				Last Year	Average †
Mill D South Fork	12/30	67	18.4	11.5	7.8
Parley's Canyon Summit	12/29	70	18.0	8.7	7.7
Payson R.S.	12/28	65	18.9	12.4	7.7
Rocky Basin-Settlement Canyon	1/1		25.4 ^a	23.0 ^a	12.7 ^a
Silver Lake Brighton	12/30	71	21.0	14.8	10.0
Soapstone R.S.	1/6	42	11.4	4.0	5.4
South Fork R.S.	--	--	--	7.8	2.6
Timpanogos Divide	1/6	--	15.4 ^a	16.0	10.4
Trial Lake	1/6	61	19.2	10.8	10.7
Vernon Creek	12/29	44	11.8	8.8 ^a	4.0 ^b

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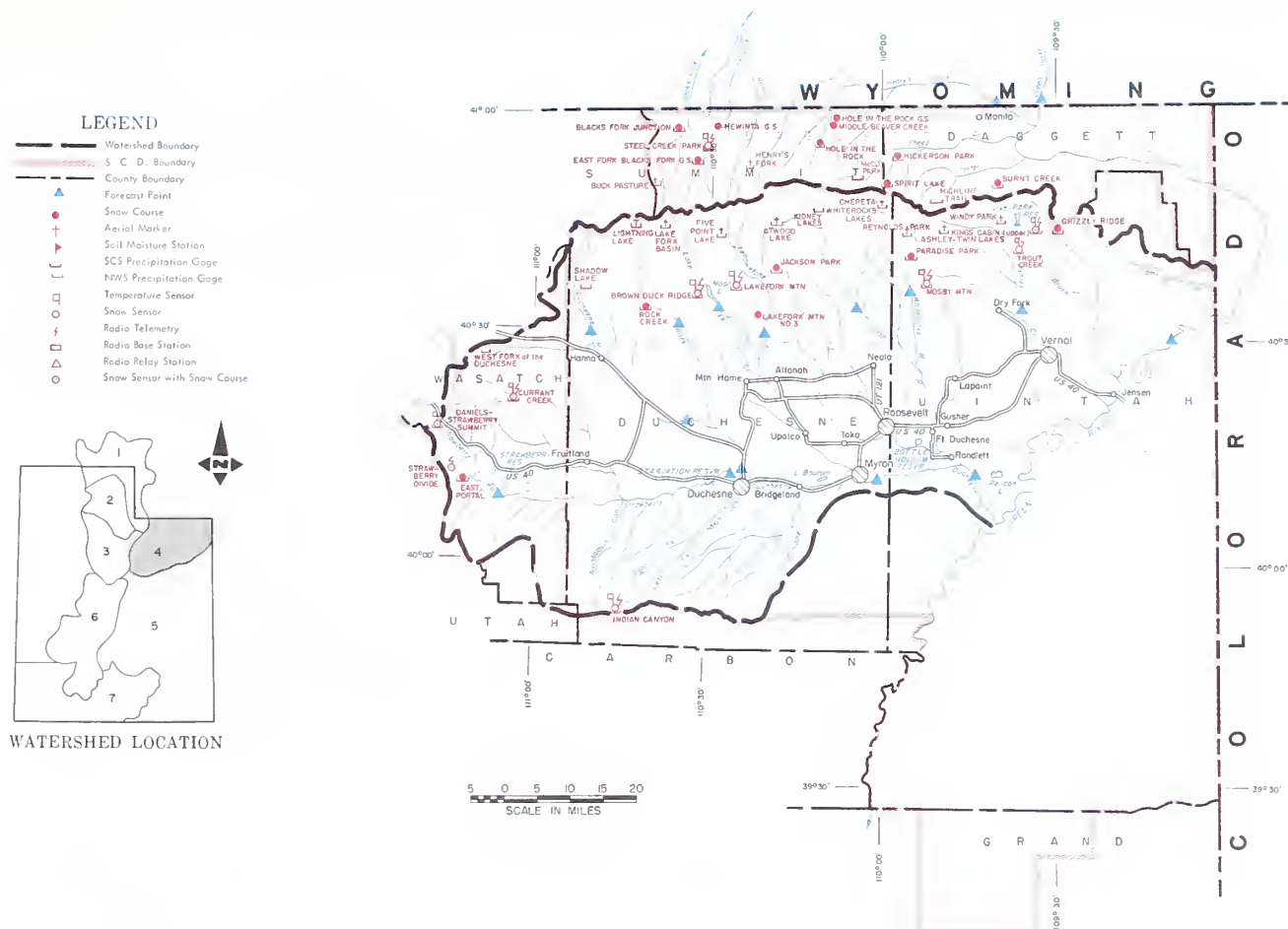
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1984

THE 1984 WATER SUPPLY OUTLOOK IS ABOVE AVERAGE TO WELL ABOVE AVERAGE

SNOW COVER ranges from 168% of the January 1 average on Ashley Creek to 242% on Lakefork-Yellowstone Creeks and Strawberry River. The Uintah-Whiterocks Basins are 190%, Sheep Creek 214% and Black's Fork 228% of average. Several courses on the west end of the Uintahs set new January 1 records.

PRECIPITATION at mountain stations ranged from 129% at Paradise Park to 227% at East Portal Strawberry Reservoir for the October-December period.

SOIL MOISTURE is above average and wetter than last year.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 129% of the April-July period on Ashley Creek to 284% for the Duchesne at Myton. The Duchesne is forecast 161% at Tabiona, 156% at Duchesne, 162% for West Fork and 269% at Randlett. Strawberry River is forecast 250%, Currant Creek 190%, Rock Creek 144%, Lakefork Creek 137%, Yellowstone Creek 139%, Uintah River 152%, Whiterocks River 147%, Henry's Fork 140%, Black's Fork 149% and Flaming Gorge Inflow 155% of average. Peak flow forecasts will be published beginning February 1.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		PERIOD	THOUSAND ACRE FEET	
	Thousand Acres Feet	Percent of Average		Last Year	Average
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	169	161	Apr-July	141	105
Duchesne at Duchesne 1/	294	156	Apr-July	290	189
Strawberry at Duchesne	145	250	Apr-July	185	58
Rock Creek nr Mtn. Home	134	144	Apr-July	--	93
Currant Creek nr Fruitland	38	190	Apr-July	54	20
Lakefork below Moon Lake 1/	96	137	Apr-July	--	70
Yellowstone nr Altonah	90	139	Apr-July	--	65
Duchesne at Myton 1/	583	284	Apr-July	--	205
Whiterocks nr Whiterock	85	147	Apr-July	97	58
Uintah nr Neola	131	152	Apr-July	--	86
Duchesne at Randlett 1/	692	269	Apr-July	--	257
West Fork Duchesne at Hanna	42	162	Apr-July	--	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork nr Manila	67	140	Apr-Sept	162	48 ^a
Black's Fork nr Millburne	134	149	Apr-July	145	90
Flaming Gorge Inflow 1/	1935	155	Apr-July	--	1248
Ashley Creek nr Vernal	66	129	Apr-July	--	51

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	11	115	218
LAKEFORK-YELLOWSTONE CREEKS	3	103	242
STRAWBERRY RIVER	4	165	242
UINTAH - WHITEROCKS RIVERS	3	73	190
ASHLEY CREEK	2	75	168
BLACK'S FORK	3	228	228
SHEEP CREEK	2	185	214
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
ASHLEY CREEK	Steinaker	33.3	22.5	31.8	18.2 ^b
GREEN RIVER	Flaming Gorge	3749.0	3450.0	3309.0	--
LAKE FORK	Moon Lake	35.8	27.1	28.9	13.6
STRAWBERRY	Starvation	165.3	118.0	156.3	105.2 ^b
UINTAH	Bottle Hollow	11.3	11.3	--	10.1 ^b

PEAK FLOWS^c

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Strawberry at Duchesne	Begins Feb. 1st	675
Ashley Creek nr Vernal		966
Rock Creek nr. Mtn. Home		1415

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Brown Duck Ridge	1/6	52	15.8	14.3	5.7 ^b
Currant Creek	1/6	31	9.6	6.5	3.9 ^b
Daniels-Strawberry	1/6	42	13.5	9.8	5.7
Hewinta G. S.	1/6	31	8.8	2.9	3.5 ^b
Hickerson Park	1/6	27	7.1	2.7	1.9 ^b
Jackson Park	1/6	36	9.6	11.4	2.7 ^b
Kings Cabin Upper	1/6	29	7.7	8.9	4.3 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Lakefork Mountain	1/6	31	8.8	8.5	4.2 ^b
Mosby Mountain	1/7	25	5.8	8.9	4.2 ^b
Paradise Park	1/7	32	8.4	12.4	5.6 ^b
Rock Creek Ranch	1/6	25	6.5	5.9	2.2 ^b
Spirit Lake	1/6	30	7.9	5.4	5.1 ^b
Steel Creek Park	1/6	45	13.0	7.7	6.3 ^b
Strawberry Divide	12/30	64	18.8	9.5	7.9 ^b
Trout Creek	1/6	25	6.6	10.2	4.2 ^b

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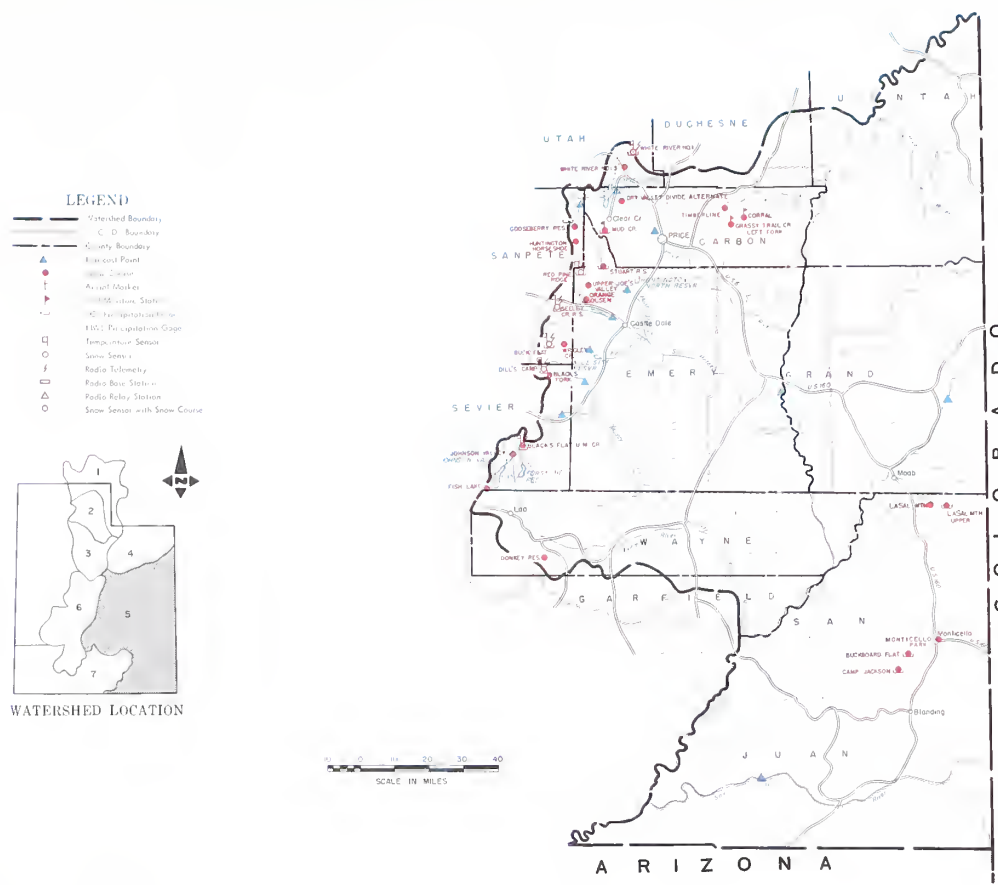
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"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1984

THE 1984 WATER SUPPLY OUTLOOK IS NEAR AVERAGE TO WELL ABOVE AVERAGE

SNOW COVER ranges from 110% of the January 1 average on the Blue Mountains to 320% on the San Rafael River. Price River is 230% of average, Fremont River 281% and Muddy River 245%. The LaSal Mountains above Moab are only 118% of the January 1 average. Most snow courses on the San Rafael, Price, Muddy and Fremont Rivers set new January 1 records.

PRECIPITATION at mountain stations on the Price and San Rafael drainages ranged from 200% to 300% of the October-December average for those which have averages.

SOIL MOISTURE is above average except on the Blue and LaSal Mountains which are near average.

RESERVOIR STORAGE is above average in all but Joe's Valley Reservoir.

STREAMFLOW FORECASTS range from 129% of the April-July average for Mill Creek above Moab, to 252% of average for the Price River at Heiner. Scofield Reservoir Inflow is forecast 243%, Huntington Creek 229%, Cottonwood Creek 217%, Ferron Creek 216%, Muddy Creek 211% and Seven Mile Creek 154%. The Colorado River near Cisco is forecast 202%, Green River 179%, Navajo Inflow 151% and San Juan River near Bluff 179% of the April-July average.

CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST Thousand Acres Feet	Percent of Average		THOUSAND ACRE FEET Last Year	Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	25	234	Apr-July	--	--
Scofield Reservoir Inflow	92	243	Apr-July	--	38
Price nr Heiner 1/	160	252	Apr-July	--	63
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	112	229	Apr-July	--	49
Cottonwood Crk nr Orangeville	102	217	Apr-July	159	47 ^b
Ferron Creek nr Ferron	80	216	Apr-July	75	37
MUDDY CREEK					
Muddy Creek nr Emery	39	211	Apr-July	44	18.5
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	6150	202	Apr-July	--	2046
Green at Green River, UT	5400	179	Apr-July	--	3016
Mill Creek nr Moab	7.1	129	Apr-July	12.4	5.5 ^b
Navajo Reservoir Inflow	1100	151	Apr-July	--	684
San Juan nr Bluff, UT	1780	179	Apr-July	--	995
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	10.0	154	Apr-July	28	6.5 ^b

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
PRICE RIVER	Scofield	65.8	46.2	54.0	30.3
SAN RAFAEL	Huntington North	3.9	2.8	4.0	2.0 ^b
	Joe's Valley	54.6	40.9	54.1	42.7 ^b
	Mill Site	16.7	11.2	12.0	3.0 ^b
SAN JUAN	Navajo	1696.0	1547.0	1474.0	--
	Kens Lake	2.3	1.9	0.7	--

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Buck Flat	1/4	59	19.0	12.1	6.7 ^b
Buckboard Flat	1/3	29	5.9	10.4	7.1 ^b
Camp Jackson	1/4	29	8.3	12.5	6.6 ^b
Dills Camp	1/4	44	12.8	7.0	5.2 ^b
Dry Valley Divide Alternate	1/5	37	10.5	6.2	6.7 ^b
Huntington-Horseshoe	1/5	68	25.2	16.8	7.8 ^b
Indian Canyon	1/6	33	8.9	9.8	5.3
Lasal Mtn. Upper	12/27	36	9.6	13.7	6.9 ^b
Mammoth-Cottonwood R.S.	1/5	65	22.6	13.7	8.1 ^b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	4	195	230
SAN RAFAEL RIVER	8	169	320
FREMONT RIVER	3	178	281
LASAL MOUNTAINS	2	64	118
BLUE MOUNTAINS	3	68	110
MUDDY RIVER	2	176	245
1 - Observed flow corrected for change in storage and diversions			
2 - Inflow record as computed by U. S. Bureau of Reclamation			
3 - Provisional flows - Subject to Correction			
a - Partly estimated			
b - Average of all past record - less than 20 years			
e - Maximum mean daily peak flow			
+ - 1961-80 20 year Average Period			
* - Forecast in cooperation with National Weather Service			

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek near Ferron	Begins Feb. 1st	444
Muddy Creek near Emery		168
Huntington Cr. near Huntington		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Monticello City Park	1/3	8	2.8	2.3	1.8 ^b
Mud Creek	1/6	49	14.3	6.9	5.7
Red Pine Ridge	1/5	59	18.8	11.0	6.7 ^b
Seeley Creek	1/5	56	21.7	11.0	4.6 ^b
White River #1	1/6	43	13.6	8.0	5.3 ^b
White River #3	1/6	30	8.8	4.1	3.7 ^b

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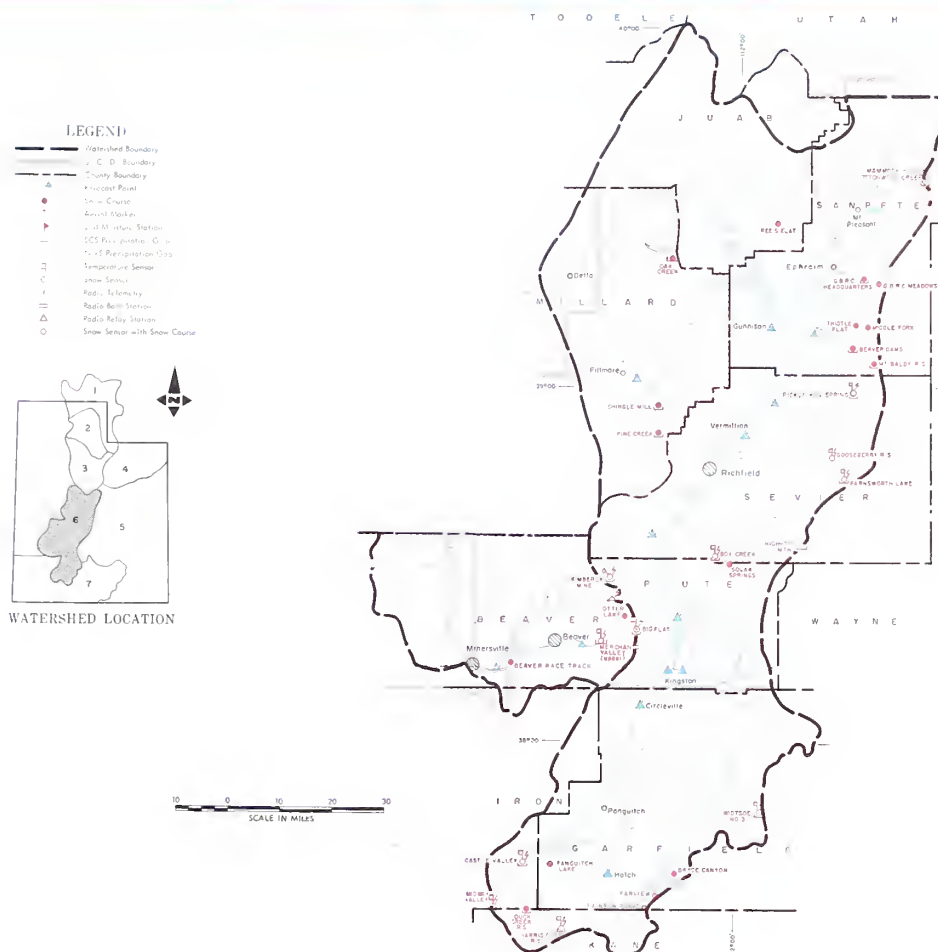
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WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1984

THE 1984 WATER SUPPLY OUTLOOK IS WELL ABOVE AVERAGE

SNOW COVER ranges from 169% of the January 1 average on the South Fork of the Sevier to 286% on Beaver River. The East Fork Sevier is 251% and Lower Sevier 257% of average. All areas but the South Fork of the Sevier have greater snow water content than last year at this time.

PRECIPITATION at mountain stations for the October-December period ranged from 156% of average at Duck Creek to 311% at Beaver Dams above Mayfield.

SOIL MOISTURE is about average on the Upper Sevier but wetter than average on the Lower Sevier.

RESERVOIR STORAGE is above average with most reservoirs releasing water to make room for spring runoff.

STREAMFLOW FORECASTS range from 167% of the April-July average for the Sevier at Hatch to 577% for the Inflow Sigurd to Gunnison. Other Sevier River forecasts are as follows: Circleville 238%, Kingston 241%, Below Piute 244%, Kingston to Vermillion 330%, Vermillion to Gunnison 571% and Sevier near Gunnison 444%. Clear Creek is forecast 212%, Antimony 194%, Salina Creek 243%, Chalk Creek 305%, Chicken Creek 214%, Oak Creek 175%, Ephriam Creek 235%, Pleasant Creek 291% and Salt Creek 200%. Beaver River is forecast 257% of average near Beaver, North Creeks 253% and Minersville Inflow 438% of the April-June average. Peak flow forecasts will be published beginning February 1.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year ³	Average ⁴
SEVIER RIVER					
Sevier at Hatch	80	167	Apr-July	--	48
Sevier nr Circleville	75	238	Apr-July	--	38
Sevier nr Kingston	70	241	Apr-July	--	28
Antimony Crk nr Antimony	20	194	Apr-July	--	10.3
East Fork Sevier nr Kingston ¹	45	238	Apr-July	--	18.9
Sevier below Piute Dam	110	244	Apr-July	--	45
Clear Crk nr Sevier (abv Div)	40	212	Apr-July	--	18.9
Sigurd to Gunnison	150	577	Apr-July	--	26
Kingston to Vermillion Dam	110	330	Apr-June	--	45
Vermillion Dam to Gunnison	160	571	Apr-June	--	25
Salina Creek at Salina	29	243	Apr-June	--	11.9
Sevier nr Gunnison	240	444	Apr-July	--	54
Chalk Creek nr Fillmore	50	305	Apr-July	--	16.4 ^b
Chicken Creek nr Levan	7.5	214	Apr-July	24	3.5 ^b
Oak Cr. nr Oak City	2.8	175	Apr-July	4.5	1.6 ^b
Ephraim Creek nr Ephraim	35	235	Apr-July	--	14.9
Pleasant Crk nr Mt. Pleasant	25	291	Apr-July	--	8.6
Salt Creek nr. Nephi	27	200	Apr-July	--	13.5
Beaver nr Beaver	59	257	Apr-July	72	23
North Creek (Combined)	37	253	Apr-July	--	14.6 ^a
Minersville Inflow	39	438	Apr-June	--	8.9

RESERVOIR STORAGE (Thousand Acre Foot)

BASIN OR STREAM	RESERVOIR	Useable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
SEVIER RIVER	Gunnison	18.2	15.0	17.0	9.5 ^b
	Otter Creek	52.5	50.3	47.2	23.8
	Piute	71.8	69.2	59.1	29.3
	Sevier Bridge	236.0	229.0	211.1	87.0
	Panguitch Lake	22.3	--	--	--
BEAVER RIVER	Minersville (Rky Fd)	26.0	23.8	19.5	9.3

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER SEVIER RIVER	8	88	186
East Fork Sevier	2	135	251
South Fork Sevier	6	78	169
LOWER SEVIER	12	163	257
BEAVER RIVER	3	149	286

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U. S. Bureau of Reclamation
 3 - Provisional flows - Subject to Correction
 a - Partly estimated
 b - Average of all past record - less than 20 years
 e - Maximum mean daily peak flow
 + - 1961-80 20 year Average Period
 * - Forecast in cooperation with National Weather Service

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average
Beaver River nr Beaver	Begins Feb. 1st	257
Sevier River at Hatch		
Sevier River nr Kingston		
Clear Creek nr Sevier		
Salina Creek nr Salina		

SNOW

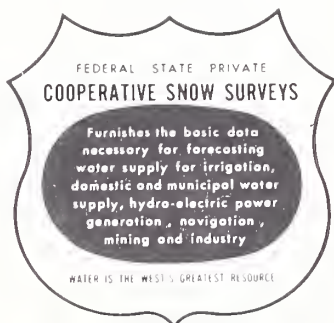
DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Big Flat	1/3	63	19.7	13.0	6.6 ^b
Bryce Canyon	1/12	15	2.8	5.1	2.0
Castle Valley	12/30	36	9.9	11.4	6.0 ^b
Duck Creek	12/30	30	7.7	12.1	5.1
Farnsworth Lake	1/4	53	16.8	10.1	7.9
Gooseberry R.S.	1/4	37	10.7	6.0	5.2
Harris Flat	12/30	16	5.1	8.0	3.2
Kimberly Mine	12/29	49	13.7	9.8	6.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average
Long Valley Junction	12/30	13	3.8	8.1	1.9
Merchants Valley Upper	1/3	46	13.9	9.8	5.2 ^b
Midway Valley	12/30	40	12.1	20.4	8.3
Oak Creek	12/29	46	12.4	10.0	5.0 ^b
Otter Lake	1/3	49	14.8	9.7	5.1 ^b
Pickle Keg Springs	1/4	55	17.1	8.6	6.1 ^b
Pine Creek	12/29	63	18.7	14.7	6.8 ^b
Widtsoe-Escalante #3	12/31	31	8.1	7.3	5.0

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WATER SUPPLY OUTLOOK

EAST GARFIELD, KANE, WASHINGTON and IRON COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



JANUARY 1, 1984

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 84% of the January 1 average for the Enterprise to New Harmony drainages to 163% on Parowan Creek. The snow pack on Coal Creek is 137% and the Virgin River is 149% of average.

PRECIPITATION at mountain stations for October through December was generally above average ranging from 147% at Widtsoe-Escalante #3 to 167% of average at Webster Flat.

SOIL MOISTURE is generally greater than normal.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 135% of the April-June average for the Virgin River to 174% of the April-July average for Lake Powell Inflow. The Santa Clara River is forecast at 143% of the April-June average and Coal Creek is 152% of the April-July average.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
VIRGIN RIVER					
Virgin nr Hurricane	84	135	Apr-June	52	63
Santa Clara nr Pine Valley	7.6	143	Apr-June	--	5.3
COAL CREEK					
Coal Creek nr Cedar City	28	152	Apr-July	22	18.4
UPPER COLORADO					
Lake Powell Inflow	1300	174	Apr-July	--	7462

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	2	55	137
VIRGIN RIVER	3	54	149
PAROWAN CREEK	4	92	163
ENTERPRISE - NEW HARMONY	2	33	84
ESCALANTE RIVER		--	--
1 - Observed flow corrected for change in storage and diversions 2 - Inflow record as computed by U. S. Bureau of Reclamation 3 - Provisional flows - Subject to Correction a - Partly estimated b - Average of all past record - less than 20 years e - Maximum mean daily peak flow + - 1961-80 20 year Average Period * - Forecast in cooperation with National Weather Service			

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
COLORADO	Lake Powell	25002.0	23400.0	22545.0	--
	Blue Mesa	829.5	652.9	608.6	--

PEAK FLOWS ^e

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Coal Creek nr Cedar City	Begins Feb. 1st	220
Virgin nr Virgin		1092

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Birch Crossing	12/28	26	6.0	6.1	3.3 ^b
Brian Head	12/30	48	13.4	14.9	8.7 ^b
Harris Flat	12/30	16	5.1	8.0	3.2
Kolob-Crystal	12/30	36	10.1	18.0	6.5 ^b
Little Grassy	12/30	1	0.1	2.0	1.2 ^b
Long Flat	12/30	10	3.1	7.8	2.6 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Long Valley Junction	12/30	13	3.8	8.1	1.9
SUSC Ranch	12/28	24	5.2	9.2	3.4 ^b
Tall Poles	12/28	42	9.0	11.2	6.0 ^b
Webster Flat	12/30	30	8.2	15.2	6.4
Yankee Reservoir	12/30	27	7.6	6.8	4.1 ^b

UNITED STATES DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
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"The Conservation of Water begins with the Snow Survey"

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
GREAT BASIN											
UPPER BEAR RIVER (Above Harer, Idaho)											
Burts-Miller Ranch	1/6	19	4.4	1.7	2.3 ^b	1/6	--	--	7.40	--	--
CCC Camp	12/29	36	8.4	5.0	5.1						
Hayden Fork	1/6	42	12.5	5.0	5.6 ^b	1/6			16.56		
Monte Cristo R.S.	12/30	69	21.9	11.0	9.7 ^b	12/30	--	--	21.47	11.07 ^b	194
Salt River Summit	12/29	42	9.8	6.4	6.3					7.17	
Stillwater Camp	1/6	31	8.3	3.5	4.0 ^b				11.41	--	
Lily Lake	1/6	38	11.1	5.8	--				13.61	--	
LOWER BEAR RIVER (Below Harer, Idaho)											
Bug Lake	12/30	62	18.8	7.2	--						
Cub River R.S.	12/29	43	11.2	5.0	3.5 ^a						
Emigrant Summit	1/1	--	21.1 ^a	13.5	9.6 ^a						
Franklin Basin	12/29	66	20.7	10.7	7.5 ^b	12/29			24.01	--	
Garden City Summit	12/29	53	15.6	7.5	7.3	1/9			17.81	8.06	221
Klondike Narrows	12/29	59	17.0	8.2	7.7	12/29			18.62	9.92	188
Little Bear (lower)	1/3	40	12.7	6.2	3.6 ^b						
Little Bear (upper)	1/3	49	15.5	7.0	4.2 ^b	1/3			22.34	--	
Slug Creek Divide	1/1	--	10.6 ^a	7.4	6.8 ^a						
Steep Hollow #1	12/29	93	28.6	17.0	13.2 ^b						
Steep Hollow #2	12/29	73	21.7	12.1	8.8 ^b						
Tony Grove Lake	12/29	102	31.4	15.4	14.1 ^b	12/29			29.62	--	
Tony Grove R.S.	12/29	54	15.3	5.7	4.6	1/9			19.60	8.24 ^b	238
Willow Flat	12/29	59	16.4	7.7	6.1 ^a	12/29	11.63		23.13	14.14 ^b	164
OGDEN RIVER											
Beaver Creek-Skunk Creek	12/30	45	13.5	6.5	4.8 ^b						
Ben Lomond Peak	1/3	118	42.2	21.8	12.6 ^b	1/3			43.0 ^e		
Ben Lomond Trail	1/3	80	25.8	12.2	5.5 ^b	1/3	6.04	--	31.74		
Causey Dam				--	--					6.62 ^b	
Dry Bread Pond	12/30	59	18.5	9.1	6.8 ^b	12/30			19.42		
Sagebrush Flat	12/30	38	9.6	3.1	2.2 ^b	12/30			11.77		
WEBER RIVER											
East Shingle Lake (A)				--							
Beaver Creek R. S.	1/4	30	8.2	3.9	3.7						
Chalk Creek #1	1/6	54	16.9	11.0	8.8 ^b	1/6			18.70	--	
Chalk Creek #2	1/6	38	11.5	7.0	6.1 ^b	1/6			12.40	--	
Chalk Creek #3	1/6	25	6.5	3.6	3.5 ^b	1/6			14.15	6.76 ^a	209
Farmington Canyon (lower)	1/3	84	26.8	12.6	9.5 ^b	1/3			26.35	--	
Farmington Canyon (upper)	1/3	98	32.6	17.3	12.6 ^b	1/3			27.74	--	
Farmington G.S.				--	--						
Horse Ridge	1/10	62	21.4	9.7	7.6 ^b	1/6			23.60		
Kilfoil Creek	12/30	52	14.2	7.5	4.8 ^b						
Lost Creek Reservoir	12/30	33	8.0	2.6	1.9 ^b	12/30			11.60	--	
Park City Summit	1/3	52	16.2	--	14.7 ^b						
Parley's Canyon Summit	12/29	70	18.0	8.7	7.7	12/29			20.85	10.49	199
Redden Mine (lower)	1/6	47	14.2	9.2	6.6 ^b	1/6			11.74	--	
Smith & Morehouse	1/6	39	11.6	7.0	5.3	1/6			14.20	8.35	170
Hardscrabble	1/10	70	23.8	10.2	--						
Pine Canyon	1/3	59	19.5	9.6	--						
PROVO RIVER & UTAH LAKE											
Beaver Creek Divide	1/5	41	11.4	5.1	4.7				15.80	--	
Camp Altamont	--	--	--	12.9	6.5						
Clear Creek Ridge #1	1/5	52	16.9	8.5	7.7 ^b	1/5			16.70	--	
Clear Creek Ridge #2	1/5	41	12.2	6.8	6.2 ^b	1/5				7.31 ^b	
Clear Creek Ridge #3	1/5	31	8.3	4.1	3.5 ^b						
Dutchman R.S.	--	--	--	13.7	7.8 ^b						
Hobble Creek Summit	1/6	52	16.5	8.1	5.9 ^b						
Payson R.S.	12/28	65	18.9	12.4	7.7	12/28			16.82	8.74	192
Soapstone R.S.	1/6	42	11.4	4.0	5.4						
South Fork R.S.	--	--	--	7.8	2.6 ^b						
Timpanogos Cave Camp	--	--	--	2.0	1.2 ^b						
Timpanogos Divide	1/6		15.4 ^a	16.0	10.4	1/6			18.10		
Trial Lake	1/6	61	19.2	10.8	10.7	1/6			21.42	11.49	186

SNOW

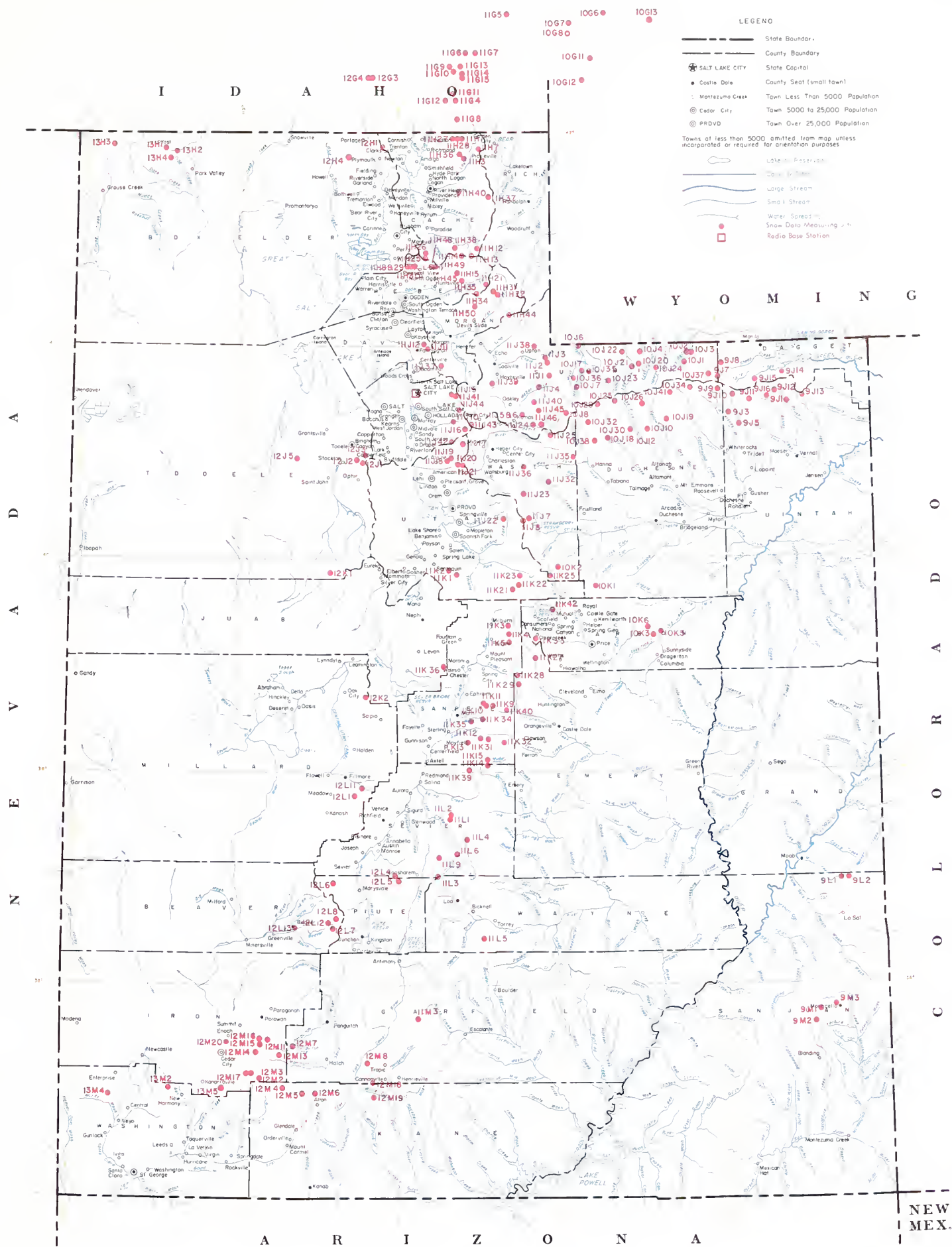
SNOW	THIS YEAR					PAST RECORD		PRECIPITATION (Inches)				
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE												
Lamb's Canyon #2	12/29	61	16.6	8.9	7.4 ^b	12/29			15.24	9.72 ^b	157	
Middle Canyon	1/1	50	11.2	9.5	5.9 ^b	1/1			16.30	--		
Mill Creek	12/30	60	16.4	9.4	7.4 ^b							
Mill D South Fork	12/30	67	18.4	11.5	7.8							
Mt. Dell Dam	--	--	--	--	--							
Rocky Basin-Settlement	1/1	76 ^a	25.4 ^a	23.0 ^a	12.7 ^a	1/1			25.40	12.67	200	
Silver Lake (Brighton)	12/30	71	21.0	14.8	10.0					12.71		
Snow Bird (Gad Valley)				--	11.9 ^b							
Vernon Creek	12/29	44	11.8	8.8 ^a	4.0 ^b	12/29			14.95			
Desert Peak				--	--							
COLORADO RIVER DRAINAGE												
UPPER GREEN RIVER - UTAH												
Black's Fork G.S.-East Fork	1/6	28	7.9	2.7	--							
Black's Fork Junction	1/6	30	8.5	2.7	3.5 ^b							
Burnt Creek	12/30	22	4.7	4.1	2.4 ^b	12/30	2.10		9.80	4.49 ^b	218	
Grizzly Ridge	12/30	27	5.1	9.2	4.3 ^b	12/30	3.00		11.30	6.31 ^b	179	
Hewinta G.S.	1/6	31	8.8	2.9	3.5 ^b	1/6			11.60			
Hickerson Park	1/6	27	7.1	2.7	1.9 ^b	1/6			7.35			
King's Cabin (upper)	1/6	29	7.7	8.9	4.3 ^b	1/6			10.68			
Spirit Lake	1/6	30	7.9	5.4	5.1 ^b	1/6			10.10			
Steel Creek Park	1/6	45	13.0	7.7	6.3 ^b							
Trout Creek	1/6	25	6.6	10.2	4.2 ^b	1/6			7.33			
DUCHESNE RIVER												
Brown Duck Ridge	1/6	52	15.8	14.3	5.7 ^b	1/6			16.69			
Chepeta	1/7	31	8.0	9.9	--	1/7			10.30	--		
Currant Creek	1/6	31	9.6	6.5	3.9 ^b	1/6			12.20	--		
Daniels-Strawberry Summit	1/6	42	13.5	9.8	5.7	1/6			15.95	8.44	189	
East Portal	12/30	46	12.0	6.9	4.8 ^b	12/30	9.20		17.67	7.80	227	
Indian Canyon	1/6	33	8.9	9.8	5.3	1/6			11.13	6.28	177	
Jackson Park	1/6	36	9.6	11.4	2.7 ^b	1/6			12.37	--		
Lakefork Basin	1/6	44 ^a	14.7 ^a	--	--	1/6			12.90			
Lakefork Mountain #1	1/6	31	8.8	8.5	4.2 ^b	1/6			10.99	--		
Lakefork Mountain #3	1/6	20	4.7	5.7	2.2 ^b							
Mosby Mountain	1/7	25	5.8	8.9	4.2 ^b	1/7			10.47	6.59 ^b	159	
Paradise Park	1/7	32	8.4	12.4	5.6 ^b	1/7			10.63	8.26	128	
Rock Creek Ranch	1/6	25	6.5	5.9	2.2 ^b	1/6			9.89	--		
Strawberry Divide	12/30	64	18.8	9.5	7.9 ^b	1/6			22.20			
PRICE RIVER												
Dry Valley Divide Alternate	1/5	37	10.5	6.2	6.7 ^b							
Mud Creek	1/6	49	14.3	6.9	5.7	1/6			16.51	--		
White River #1	1/6	43	13.6	8.0	5.3 ^b	1/6			14.54	6.50	224	
White River #3	1/6	30	8.8	4.1	3.7 ^b							
SAN RAFAEL RIVER												
Buck Flat	1/4	59	19.0	12.1	6.7 ^b	1/4			18.95	6.30	300	
Huntington-Horseshoe	1/5	68	25.2	16.8	7.8 ^b							
Orange Olsen	1/5	24	6.2	4.0	1.6 ^b	1/5			9.37	--		
Red Pine Ridge	1/5	59	18.8	11.0	6.7 ^b	1/5			21.00	--		
Seeley Creek R.S.	1/5	56	21.7	11.0	4.6 ^b	1/5			22.00 ^e	--		
Stuart R.S.	1/5	39	11.1	5.2	3.1 ^b	1/5			14.23	--		
Upper Joe's Valley	1/5	41	12.1	6.4	4.2 ^b							
Wrigley Creek	1/4	38	10.6	7.3	4.3 ^b							
MUDDY RIVER												
Black's Fork	1/4	45	13.8	7.8	5.4 ^b							
Dill's Camp	1/4	44	12.8	7.0	5.2 ^b	1/4			15.22	--		

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
FREMONT RIVER											
Black's Flat-U.M. Creek	1/4	37	10.6	6.5	4.9 ^b	1/4			12.18	--	
Fish Lake	1/4	35	10.4	5.7	3.1 ^b						
Johnson Valley	1/4	33	9.0	5.0	2.9 ^b						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	1/3	29	5.9	10.4	7.1 ^b	1/3			13.77	--	
Camp Jackson	1/4	29	8.3	12.5	6.6 ^b	1/4			11.38	--	
LaSal Mountain (lower)	12/27	20	4.0	7.6	4.6 ^b						
LaSal Mountain (upper)	12/27	36	9.6	13.7	6.9 ^b	12/27			13.08	--	
Monticello City Park	1/3	8	2.8	2.3	1.8 ^b						
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	1/3	43	12.9	8.9	5.0 ^b	1/3			13.87	--	
Bryce Canyon	1/12	15	2.8	5.1	2.0						
Castle Valley	12/30	36	9.9	11.4	6.0 ^b	12/30			12.85	--	
Duck Creek R.S.	12/30	30	7.7	12.1	5.1	12/30			12.50	8.03	156
Harris Flat	12/30	16	5.1	8.0	3.2	12/30			6.32	--	
Kimberly Mine	12/29	49	13.7	9.8	6.0	12/29			15.30	8.07	190
Midway Valley	12/30	40	12.1	20.4	8.3	1/1			13.90	--	
Panguitch Lake	12/30	16	4.2	6.3	2.5 ^b	12/30			6.82	--	
Squaw Springs	1/3	30	7.4	6.1	3.1 ^b						
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	1/4	46	14.5	5.7	4.3 ^b	1/4			18.18	5.84	311
Farnsworth Lake	1/4	53	16.8	10.1	7.9	1/4			14.75	8.55	172
G.B.R.C. Headquarters	1/5	53	17.9	8.2	6.8	1/5	--		18.10	8.54	211
G.B.R.C. Majors					--	1/1	5.00		11.60	4.23 ^b	274
G.B.R.C. Meadows	1/5	64	22.6	15.1	9.0 ^b	1/5			20.25 ^a	10.14	199
G.B.R.C. Oaks						1/1	--		11.80	5.80	203
Gooseberry R.S.	1/4	37	10.7	6.0	5.2						
Mammoth-Cottonwood Creek	1/5	65	22.6	13.7	8.1						
Mt. Baldy R.S.	1/4	77	24.8	14.5	9.1 ^b	1/4			15.81	7.97 ^b	198
Oak Creek	12/29	46	12.4	10.0	5.0 ^b	12/29			16.37	--	
Pickle Keg Springs	1/4	55	17.1	8.6	6.1 ^b	1/4			19.48	--	
Pine Creek	12/29	63	18.7	14.7	6.8 ^b						
Ree's Flat	12/29	42	13.0	10.3	5.6 ^b	12/29			15.60	--	
Shingle Mill	1/3	30	9.5	6.1	4.3 ^b	1/3			15.75	7.80 ^b	201
Gooseberry Reservoir					--	1/4			13.98		
BEAVER RIVER											
Beaver Canyon Power House					--	1/1	5.00		10.38	3.39	306
Beaver Race Track				1.2	--						
Big Flat	1/3	63	19.7	13.0	6.6 ^b	1/3			16.84	6.97 ^b	242
Merchant's Valley (upper)	1/3	46	13.9	9.8	5.2 ^b	1/3			14.83	6.16 ^b	241
Otter Lake	1/3	49	14.8	9.7	5.1 ^b						
PAROWAN CREEK											
Birch Crossing	12/28	26	6.0	6.1	3.3 ^b						
Brian Head	12/30	48	13.4	14.9	8.7 ^b						
Tall Poles	12/28	42	9.0	11.2	6.0 ^b	12/28			9.90	7.28 ^b	136
Yankee Reservoir	12/30	27	7.6	6.8	4.1 ^b	12/30			7.85	--	
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	12/30	1	0.1	2.0	1.2 ^b	12/30			9.95	--	
Long Flat	12/30	10	3.1	7.8	2.6 ^b	12/30			3.88	--	
COAL CREEK											
Cedar City Golf Course	12/27	0	0.0	0.0	--						
SUSC Ranch	12/28	24	5.2	9.2	3.4 ^b						

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
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				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
ESCALANTE RIVER											
Widtsoe-Escalante #3	12/31	31	8.1	7.3	5.0	12/31			10.05	6.01	
VIRGIN RIVER											
Kolob-Crystal	12/30	36	10.1	18.0	6.5 ^b	12/30			18.26	--	
Long Valley Junction	12/30	13	3.8	8.1	1.9						
Webster Flat	12/30	30	8.2	15.2	6.4	12/30			12.00	8.14	
a - Partly Estimated b - Average of past record in average period + less than 20 years + - 1961-80 20 year average period (A) - Aerial Marker Reading											



INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO	STATE	NAME	SEC	TWP	RGE	ELEV	NO	STATE	NAME	SEC	TWP	RGE	ELEV
UPPER BEAR RIVER (above Harer, Idaho)													
0G11	W	Big Park	7	27N	117W	8,700	11J25P	U	Sagehen R.S.	9	3S	8E	7,800
0J6P	W	Burr-Willer Ranch	19	3N	10E	7,900	11J19	U	South Fork R.S.	24	4S	2E	6,100
0G7	W	CCC Camp x	9	29N	118W	7,500	11J18	U	Timpanogas Cove Comp	27	4S	2E	5,500
0J36p	W	Gold Hill	15	1N	9E	10,000	11J21PST	U	Timpanogas Divide	33	4S	3E	8,140
0G12	W	Hayden Fork	25	1N	9E	9,400	10J8PST	U	Trail Lake	5	2S	9E	9,960
0G12	W	Kelly Ranger Station	13	26N	118W	8,200							
0J35p	U	Lily Lake	34	2N	10E	9,050							
11H2PST	U	Monte Cristo R.S.	4	8N	10E	8,960							
0G13MP	W	Potion Meadows x	24	39N	118W	9,900							
0G8P	W	Self River Summit x	22	29N	118W	9,500							
0J17P	U	Shiloher Comp	32	2N	10E	8,550							
LOWER BEAR RIVER (below Harer, Idaho)													
1H37pST	U	Bug Lake	18	11N	5E	7,950	12J2	U	Bevon's Cabin	24	4S	4W	6,450
1G11	U	Christensen Ranch	27	13S	41E	5,600	12J5P	U	Deseret Peak	15	4S	7W	9,250
1H38p	U	Cinnamon Creek	5	8N	3E	7,300	11J41P	U	Lomb's Canyon #2	21	1S	3E	7,500
1H21P	U	Clarkston Mountain	29	14N	2W	6,300	12J3P	U	Middle Canyon	8	4S	3W	7,000
11G12	I	Cub River Ranger Station	5	15S	41E	5,400	12J3P	U	Mill Creek	25	1S	2E	6,950
11G14p	I	Dry Basin	30	13S	37E	7,900	11J10	U	Mt D South Fork	18	2S	3E	7,400
12G4	I	Dry Creek Flat	31	13S	37E	6,350	11J16P	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900
11G6	I	Emigrant Summit	21	12S	42E	7,350	12J1J	U	Sagehen R.S.	32	5S	3E	8,725
11G6PST	I	Franklin Basin	2	12S	42E	6,500	11J42	U	Shiloh (Great Valley)	18	3S	3E	9,700
11G8MPST	I	Headwaters	21	14S	41E	6,000	12K1PST	U	Vernon Creek	21	10S	5W	7,500
1H7MP	U	Henderson Valley Summit	34 & 35	14N	4E	7,200							
1H40p	U	Horsehoe Basin	31	13S	42E	8,000							
11G15p	U	Klondike Narrows	10	14N	3E	8,240							
11G13	I	Liberty Springs	7	13S	42E	8,240							
11H26	U	Little Bear (lower)	16	8N	1E	6,000							
11H25PST	I	Oxford Mountain	32	13S	37E	6,800							
11G15	I	Slug Creek Divide	15	10S	44E	7,225							
1H27	U	Steep Hollow #1	9	14N	3E	8,500							
1H28	U	Steep Hollow #2	9	14N	3E	8,600							
11G9	U	Timpanogas	9	13S	41E	5,800							
11G10	U	Shawberry Mink Divide	14	13S	41E	6,800							
1H36PST	U	Tony Grove Lake	5	13N	3E	8,400							
1H3MP	U	Willow Flat	11	13N	3E	6,250							
11G4P	I		2	15S	41E	6,100							
RAFT RIVER													
3H2b	U	Clear Creek Meadows	26	14N	14W	9,050	12L13	U	BEAVER RIVER	23	29S	7W	6,020
3H4P5	U	George Peak	17	14N	14W	9,000	12L7PST	U	Beaver Race Track	7	29S	4W	10,290
3H1	U	One Mile Summit	14	14N	14W	7,350	12L12PST	U	Big Flat	8	29S	5W	8,750
3H3a	U	VPont	17	14N	17W	7,670	12L8	U	Merchant's Valley (upper)	12	29S	5W	9,600
OGDEN RIVER													
11H4M	U	Beaver Creek-Skunk Creek	22	8N	3E	7,150	12M16	U	PAROWAN CREEK	23	35S	9W	8,100
11H8PST	U	Ben Leonard Peak	3	7N	1W	8,000	12M17	U	Birch Crossing	10	35S	9W	10,000
11H30PST	U	Ben Leonard Trail	2	7N	1W	6,000	12M18P	U	Brian Head	26	35S	9W	8,500
11H35p	U	Cousey Dam	34	7N	3E	5,500	12M11P	U	Yolake Reservoir	20	35S	8W	8,700
11H34p	U	Dry Bread Pond	19	8N	4E	8,350							
11H34p	U	Gulder's Peak	21	6N	4E	8,050							
11H45p	U	Middle Fork Ogden	16	7N	2E	8,420							
11H49	U	Powder Mountain Hideaway	6	7N	2E	8,250							
11H48	U	Powder Mountain Sundown	1	7N	1E	8,400							
11H13P	U	Sagebrush Flat	21	7N	3E	6,300							
WEBER RIVER													
11J24	U	Beaver Creek R.S.	28	2S	7E	7,500	13M4MP	U	ENTERPRISE TO NEW HARMONY DRAINAGES	14	38S	18W	6,100
11J1PST	U	Chalk Creek #1	4	1N	8E	8,100	13M2MPST	U	Long Flat	2	38S	14W	8,000
11J3MP	U	Chalk Creek #2	27	2N	9E	7,500							
11J3MP	U	Chalk Creek #3	7	2N	9E	7,500							
11J45p	U	East Shingle Lake	6	2S	8E	9,750							
11J12P	U	Farmington Canyon (lower)	15	3N	1E	6,950							
11H44p	U	Farmington Canyon (upper)	23	3N	1E	8,000							
11J37p	U	Francis Canyon	29	5N	4E	7,400							
11H21PST	U	Horseshoe	22	2N	2E	6,700	12M20	U	COAL CREEK	11	36S	11W	5,800
11H31	U	Horse Ridge	22	7N	4E	8,260	12M17	U	Cedar City Golf Course	18	37S	9W	8,200
11H31	U	Killfoll Creek	20	6N	5E	7,300							
11H32P	U	Last Creek	27	6N	5E	7,300							
11H32P	U	Paria Canyon	30	1S	9E	7,500							
11H43	U	Paria Canyon Summit	3	1S	9E	7,500							
11H50	U	Paria Canyon	6	5N	4E	8,000							
11J38p	U	Parupine	22	3N	7E	8,100							
11J6	U	Redden Mine (lower)	1	2S	6E	8,500							
11J5P	U	Redden Mine (upper)	9	1N	4E	9,000							
11J39p	U	Sergeant Lakes	1	2N	6E	8,300							
11J40P	U	Shingle Mill Flat	22	1S	7E	9,040							
11J4PST	U	Smith & Morehouse	25	1N	7E	9,040							
PROVO RIVER & UTAH LAKE													
11J46PST	U	Beaver Creek Divide	25	2S	7E	8,280	9J11oP	U	UPPER GREEN RIVER IN UTAH (above Duchesne River)	20	1S	19E	10,500
11J20	U	Comp Altomont	18	4S	9E	6,300	10J21P	U	Ashley Twin Lakes	25	2N	12E	9,300
11K21PST	U	Clear Creek Ridge #1	9	11S	3E	7,200	10J22P	U	Black's Fork G.S.-East Fork	33	3N	12E	8,925
11K22PST	U	Clear Creek Ridge #2	27	10S	3E	6,400	10J23a	U	Black's Fork Junction	2	1N	11E	7,700
11K23	U	Clear Creek Ridge #3	27	10S	3E	6,400	9J13P	U	Buck Butte	8	1S	22E	8,700
11J7P	U	Dutchman R.S.	27	3S	3E	7,560	10J24p	U	Grizzly Ridge	29	3N	14E	10,000
11J22P	U	Hobbs Creek	36	4S	6E	9,000	10J44p	U	Hempy G.S.	33	3N	13E	9,500
11J36P	U	Hobbs Creek Summit	36	4S	6E	9,000	10J44p	U	Hickerson Park	13	2N	17E	9,100
11K1P	U	Payson R.S.	37	4S	6E	9,000	9J15p	U	Highline Trail	24	1N	19E	10,250
11K2	U	Rock Bridge	105	3E	8,050	10J1	U	Hole-in-the-Rock	13	2N	15E	9,150	
			14	10S	2E	6,750	10J3	U	Hole-in-the-Rock G.S.	32	3N	16E	8,300

LEGEND
Numbering System (example)
10J7P Snow Course Only
10J7M Snow Course and Soil Moisture Station
10J7W Snow Course, Soil Moisture Station, and Aerial Marker
10J7HA Snow Course, Soil Moisture Station and Precipitation Gage
10J7MP Snow Course, Soil Moisture Station and Precipitation Gage
10J7P5 Storage Precipitation Gage Only
10J7P55 Snow Course, Precipitation Gage, Snow Pillow and Temperature, Spot Onia Site.

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

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